

E-APPOINTMENT SYSTEM

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SUPERVISOR'S DECLARATION

I hereby declare that I have checked this thesis/project and in my opinion, this thesis/project is adequate in terms of scope and quality for the award of the degree of Computer Science (Graphic & Multimedia Technology) with Honors.

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at Universiti Malaysia Pahang or any other institutions.

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ABSTRAK

Di era kini, penggunaan internet semakin meluas di serata pelosok dunia. Kebanyakan industri menggunakan sistem atas talian untuk mengakses maklumat dan sebagainya dengan internet. Tajuk projek sarjana muda ini ialah Sistem Temujanji. Objektif utama sistem ini dibangunkan untuk memudahkan pelajar Universiti Malaysia Pahang (UMP) untuk membuat temujanji dengan pensyarah. Terdapat pelbagai cara bagi pelajar-pelajar membuat temujanji dengan pensyarah di UMP seperti bertemu pensyarah secara peribadi, membuat panggilan telefon atau mesej melalui rangkaian sosial. Tetapi, dengan adanya sistem ini, temujanji yang dibuat menjadi lebih teratur dan direkod untuk dijadikan rujukan. Sistem ini dibangunkan berlandaskan web dan dihasilkan menggunakan bahasa pengaturcaraan web seperti PHP, HTML dan MYSQL sebagai pangkalan data untuk sistem ini. Sasaran pengguna sistem ini terdiri daripada pelajar, pensyarah dan pentadbir system. Kaedah atau teknik yang digunakan untuk membangunkan system ini ialah Pembangunan Aplikasi Rapid (RAD). Terdapat empat fasa dalam RAD iaitu fasa keperluan, fasa reka bentuk, fasa pembinaan dan fasa peralihan. Kaedah ini dipilih kerana ia membolehkan sistem ini diwujudkan dalam masa yang terhad. Konklusinya, projek ini dapat menjimatkan tenaga, masa dan mengurangkan kos operasi.

ABSTRACT

In today's era, internet usage is widespread throughout the world. Most industries use the online system to access information and other things with internet. The title of this bachelor project is E-Appointment System. The main objective of this system was developed to facilitate University Malaysia Pahang (UMP) students to make an appointment with lecturers. There are various ways for students to make an appointment with lecturers at UMP such as meeting lecturers personally, making phone calls or messages via social networks. However, with this system, appointments are made more organized and recorded for reference. This system is built on the web and is generated using web programming languages such as PHP, HTML and MYSQL as the database for this system. The target user of this system consists of students, lecturers and system administrators. The method or technique used to develop this system is Rapid Application Development (RAD). There are four phases in the RAD which are requirement phase, the design phase, the development phase and the cutover phase. This method is selected because it allows this system to be created within a limited time. In conclusion, this project can save energy, time and reduce operating costs.

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LIST OF ABBREVIATIONS

SMS	Short Messaging System
GUI	Graphical User Interface
CSS	Cascading Style Sheets
PHP	Hypertext Preprocessor
HTML	Hyper Text Markup Language
MySQL	My Structured Query Language
DBMS	Database Management System
RAD	Rapid Application Development
DFD	Data Flow Diagram

CHAPTER 1

INTRODUCTION

1.1 BACKGROUND OF STUDIES

Appointment system is an alternative support system designed and developed for handling and managing a process of appointing consultant. This system will anticipate an efficiency and accuracy of selecting qualified consultants for the projects, which will be performed. The main function of the system is about appointing the right consultants for the right project (Bakar, 2009).

Previously, in my findings, the current available appointment is lack of important and complete features. Therefore, somehow when we request an appointment using the system, the system does not generate the notification what the result obtain from the appointment request. To eliminate this errors based on the current appointments system, there is need to develop a system that enables appointment processes easier.

For students, they may frequently have numerous questions and doubts to lecturer regarding their labs, writing reports, exams, projects and many other and they always need to clarify those doubts. So, they have to find a proper time to perform a meeting with the particular lecturer. But, in university, students will have to go and return back to faculty many times to check the lecturer availability that will make them face some difficulties too according to their free time. This is because of the students did not know the lecturer's schedule or free time and they need to discuss it using instant messaging (Choudhari, Kusurkar, Sonje, Mahajan, & Vaz, 2014).

1.2 PROBLEM STATEMENT

Table 1.1 shows the problem related, description and effect with the current procedure of making appointment between students and lecturers.

Table 1.1 Problems Statement with Description and Effect

No	Problem	Description	Effect
1	Time consuming	Students always need to go to the lecturer's room or call their hand phone number to make sure either they are free or not. Sometimes, the lecturers take a long time to reply to students' calls or SMS (Short Messaging System).	It make students waiting for a long reply from the lecturers without knowing the status of their lecturers either busy or unavailable.
2	The current process of making an appointment in the system does not generate the notification.	There is no notification for user to know what the status of appointment that they have made.	It make difficult to user that they always need to check the system to see the appointment status.
3	Lack of the important features and unorganized interface in the system	There is useless information and also some of the unimportant navigation panel that have in the system.	It disturb and make difficult to the user to make the important appointment.

1.3 OBJECTIVES

There are several objectives in developing this system which are:

- i. To help user making an appointment more easy and systematic.
- ii. To design a web-based application for students to make an appointment with lecturers.
- iii. To develop the proposed E-Appointment System in a web-based platform.

1.4 SCOPES OF PROJECT

- i. System

The functionality of the system is it will automatically send the request of appointment do it by students, when lecturer log in into the system, they can make a decision if they want to reject the appointment made by the students before. The system will generate the status and come out with the notification to students.

- ii. User

Students and lecturers will be the target user of this system. To make the appointment, students must login to this system's account and only users that have the registered account can make appointment with the lecturers. Administrator have to control the activities in the system such as adding new lecturer into the database.

- iii. Platform

The platform of this E-Appointment system is a web-based. It is proved that web-based projects is more efficient because it will helps students to make an appointment online in more systematic and professional ways rather than using SMS, WhatsApp and other online communication.

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